

1999

## Plaintiff's Exhibit 0336: Mohammad A. Tahir 1999 lab report

Mohammad Tahir

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# INDIANAPOLIS-MARION COUNTY FORENSIC SERVICES AGENCY

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## LABORATORY EXAMINATION REPORT

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Date: April 21, 1999 Case No: 76629

To: Friedman and Gilbert, Attorneys At Law Re: Richard Eberling  
1700 Shadeland Building Sam Sheppard  
1370 Ontario Street Marilyn Sheppard  
Cleveland, OH 44113

Attention: Terry Gilbert

One package from U.S. Mail (Priority Mail) received from Sam Reese Sheppard, Jr. on October 20, 1997 containing his saliva.

One cardboard box containing evidence which was received at Cuyahoga County Coroner's Office Crime Lab on September 17, 1997.

<u>Item</u>	<u>Description</u>
S-1	Envelope containing cotton swabs with saliva standard from Sam Reese Sheppard, Jr.
1-D-4	A mattress button from Marilyn's mattress with reddish brown stains on it.
1-D-5	A reddish brown stain from Marilyn's mattress.
2A-2	Tooth from Sam Sheppard's body.
2B-5	Fingernail from Sam Sheppard's body.
2	Femur Bone from Sam Sheppard's body.
1-C	Glass vial containing reddish brown powder marked as stain from bedroom closet bottom panel.



DATE: April 21, 1999

CASE NO.

76629

**Results:**

Deoxyribonucleic Acid (DNA) from the above listed evidence was characterized through the Polymerase Chain Reaction (PCR) at the following genetic Loci:

ITEM	SAMPLE *	ALLELES DETECTED					
		DQA1	LDLR	GYPA	HBGG	D7S8	Gc
S-1	Saliva Sam Reese Sheppard, Jr.	1.1, 1.3	A	AB	AB	AB	BC
1-D-4	Mattress Button	1.1, 1.3	AB	A	B	A	BC
1-D-5	Mattress	-	-	-	-	-	-
2-A-2	Tooth from Sam Sheppard	1.2, 1.3	AB	B	A	B	BC
2-B-5	Fingernail from Sam Sheppard	1.2, 1.3	AB	B	A	B	BC
2	Femur bone from Sam Sheppard	1.2, 1.3	AB	B	A	B	BC
1-C	Stain from bedroom closet	1.1, 1.3, 4.1 (1.2)*	AB	AB	AB	AB	ABC

\* Presence or absence of 1.2 Allele cannot be confirmed due to the limitations of the system.

Please refer to the previous report issued on January 9, 1997.

Based on the PCR results, the DNA types detected in Item(s) #3 (wood chip) is a mixture. No portion of DNA originated from Marilyn Sheppard or Sam Sheppard. Richard Eberling being 4.1 homozygous at DQA1 Locus cannot be excluded as a part donor of the DNA detected in Item #3. However, Richard Eberling is not the contributor of 1.1, 2 and 3 alleles.

Based on the PCR results, the DNA types detected in Item(s) b-3-b-1 (bloodstain from Sam Sheppard's trousers) is a mixture. No portion of DNA originated from Marilyn Sheppard or Sam Sheppard. Richard Eberling cannot be excluded as a partial contributor of the DNA detected in Item #b-3-b-1. However, Richard Eberling is not the contributor of 2, 3 and 1.2 alleles.

Based on the PCR results, the DNA types detected in Item(s) 1-C (stain from the bedroom closet) is a mixture. This mixture is consistent with having originated from Marilyn Sheppard and Richard Eberling. Richard Eberling cannot be excluded as a partial contributor of the DNA present in Item #1C. No conclusion can be drawn to the presence or absence of Sam Sheppard's DNA in the mixture due to the limitations of the system.

Based on Deoxyribonucleic Acid (DNA) results, the DNA detected in Item #A-59-2 (vaginal smear) sperm fraction is a mixture. Richard Eberling being a 4.1 homozygous at DQA1 Locus cannot be excluded as the part donor of the DNA present in the sperm fraction in the vaginal smear. However, he is not the contributor of 1.2, 2 and 3 alleles. Sam Sheppard is excluded as a partial contributor to the DNA present on this item.

**LABORATORY EXAMINATION REPORT**


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Based on Deoxyribonucleic Acid (DNA) results, the DNA detected in item #A-59-1 (vaginal smear) sperm fraction is a mixture. Richard Eberling being a 4.1 homozygous at DQA1 Locus cannot be excluded as the part donor of the DNA present in the sperm fraction in the vaginal smear. However, he is not the contributor of 1.1, 1.3, 2 and 3 alleles. If alleles 1.1, 1.3 originated from Marilyn Sheppard, then alleles 2 and 3 are foreign to Richard Eberling and Marilyn Sheppard. No conclusion can be drawn to the exclusion or inclusion of Sam Sheppard's DNA due to the limitations of the system.

Signature \_\_\_\_\_

  
Mohammad A. Tahir, Ph.D.

Title: Forensic Scientist Ident. No. T-9594

Approved By:  
MAT/tb